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PATENT AND TRADEMARK OFFICE

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1025-002P/JAB

SERIAL NO. 0819  
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

**APPLICANT**

NABIL N. GHALY

FILING DATE

**GROUP**

**U.S. PATENT DOCUMENTS**

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

[illegible]

**EXAMINER**

**DATE CONSIDERED:**

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	08/962,971		
		Filing Date	October 27, 1997		
		First Named Inventor	NABIL N. GHALY		
		Art Unit	3713		
		Examiner Name	Michael W. ONEILL		
Sheet	1	of	1	Attorney Docket Number	N/A

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
SP		Parker Brothers Instruction Booklet for its product, "Merlin", MAGIC SQUARE GAME, 1978	

Examiner Signature		Date Considered	7/24/01
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet

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04

1

Attorney Docket Number

JULIE K. BROCKETT

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2 (7 known)</sup>			
CP	P1	US 3,367,653	02-06-1968	Brown	Abstract
	P2	US 3,417,995	12-24-1968	Creely	Abstract
	P3	US 3,779,553	12-18-1973	Secter	Abstract
	P4	US 3,982,764	09-28-1976	Diehall	Abstract
	P5	US 5,573,245	11-12-1996	Weiner, et al	claim 1
	P6	US 5,603,500	02-18-1997	Olth, et al.	claim 1
	P7	US 6,976,916	12-20-2005	Burrell, et al.	Title & Background
	P8	US D507,568	07-19-2005	Schlieffers, et al.	Title, claim & Fig. 1
	P9	US 6,861,962	03-01-2005	Spencer	Abstract & claim 1
	P10	US 6,948,869	09-27-2005	Macor	Title, Abstract & claim 1
	P11	US 6,989,732	01-24-2006	Fisher	Abstract & claim 1
	P12	US 6,920,339	07-19-2005	choy, et al.	Title, Abstract & claim 1
	P13	US 6,922,280	06-28-2005	Henry	Title, Abstract & claims 1-4
	P14	US 6,950,680	09-27-2005	Kela, et al.	Abstract, claim 1, Figs. 14
	P15	US 6,968,206	11-22-2005	Whitney-Anderson	claim 1, Figures 14-6
	P16	US 6,930,260	08-16-2005	Clegg, et al.	Abstract, claim 1, Fig. 1
		US			
		US			


## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

Date  
Considered

7/24/07

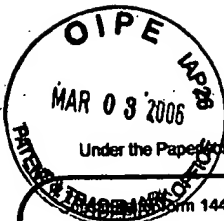
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☐ If the document contains a benefit to the public which is to file (and by the

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		Filing Date	6 / 27 / 1997		
		First Named Inventor	NARIL N. GHALY		
		Art Unit	3713		
		Examiner Name	Julie K. Brokehi		
Sheet	1	of	2	Attorney Docket Number	

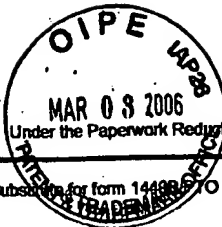
NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
CP	I1	Internet Document - <a href="http://new.arcusa.com/8427/index.html">http://new.arcusa.com/8427/index.html</a> - ARC-USA, Inc. - Keypads - <del>no date</del>	
	I2	Internet Document - <a href="http://www.nyx.net/~LTURNER/PUBLIC-HTML/TMS1000INS.HTML">www.nyx.net/~LTURNER/PUBLIC-HTML/TMS1000INS.HTML</a> - Instruction set for Texas Instruments TMS1000	NO DATE-
	I3	Internet Document - <a href="http://www.cacs.louisiana.edu/~mgr/404/burks/pcinfo/hardware/cpu.htm">http://www.cacs.louisiana.edu/~mgr/404/burks/pcinfo/hardware/cpu.htm</a> - Description of the Texas Instrument TMS1000 micro-controller, indicating the use of "hardwired" instructions	NO DATE-
	I4	Text Book: Digital systems Logic and Circuits Author: B. ZACHAROV Publisher: American Elsevier Pub. Co., Inc. 1968 Pages 53 & 83 - show the symbol $\odot$ describing the Coincidence Boolean operator $\bar{A}\bar{B} + AB$	NO DATE-
	I5	Text Book: Digital Design, 2 <sup>nd</sup> Edition Author: M. MORRIS MANO Publisher: Prentice Hall, 1991 - New Jersey Pages 56 & 57 - show the symbol $\odot$ describing the	

Examiner Signature		Date Considered	7/24/07
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Substitution for form 1449B-070 <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		<b>Complete If Known</b>	
		Application Number	08/962,971
		Filing Date	10/27/1997
		First Named Inventor	NABIL N. GHALY
		Art Unit	3713
		Examiner Name	Julie K. Brockett
Sheet 2 of 2	Attorney Docket Number		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
SP		equivalence Boolean operator $x'y + x'y'$	
	I6	Text Book! Digital Computer Design Fundamentals Author! JOAHAN CHU Publisher! McGraw-Hill, 1962 Pages 112-113 - show the symbol $\odot$ describing the Coincidence Boolean operator $\overline{A}B + AB$	
	I7	Dictionary Definition for the term "Keypad" Webster's New World College Dictionary, Fourth Edition - Page 785 MICHAEL AGNES, Editor in Chief - NO DATE -	
	I8	Internet Document: <a href="http://patentlaw.typepad.com/patent/2004/10/can_dependant_c.html">http://patentlaw.typepad.com/patent/2004/10/can_dependant_c.html</a> Article dated October 13, 2004, analyzing Ghaly v. Harbro - By DENNIS CROUCH	
	I9	Dictionary Definition of the term "Push Button" Random House Webster's College Dictionary Page 1097 - NO - DATE -	

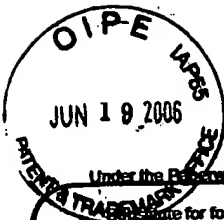
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**INFORMATION DISCLOSURE  
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Sheet 1 of 1**Complete if Known**

Application Number	08/962,197
Filing Date	10/27/1997
First Named Inventor	NABIL GHALY
Art Unit	3713
Examiner Name	JULIE K. BROCKETT
Attorney Docket Number	

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
[Signature]	P1	US- 3,367,653	02-06-1968	Brown	Abstract
	P2	US- 3,417,995	12-24-1968	Creely	Abstract
	P3	US- 3,779,553	12-18-1973	Secter	Abstract
	P4	US- 3,982,764	09-28-1976	Dieball	Abstract
	P5	US- 5,573,245	11-12-1996	Weiner, et al.	claim 1
	P6	US- 5,603,500	02-18-1997	olti, et al.	claim 1
	P7	US- 6,976,916	12-20-2005	Burrell, et al.	Title & Background
	P8	US- 6,507,568	07-19-2005	Schleffers, et al.	Title, claim & Fig. 1
	P9	US- 6,861,962	03-01-2005	Spencer	Abstract & claim 1
	P10	US- 6,948,869	09-27-2005	Macor	Title, Abstract & claim 1
	P11	US- 6,989,732	01-24-2006	Fisher	Abstract & claim 1
	P12	US- 6,920,339	07-19-2005	choy, et al.	Title, Abstract & claim 1
	P13	US- 6,922,280	06-28-2005	Henry	Title, Abstract & claims 1-4
	P14	US- 6,950,680	09-27-2005	Kela, et al.	Abstract, claim 1, Figs. 1 & 2
	P15	US- 6,968,206	11-22-2005	Whitney-Anderson	claim 1, Figures 1 & 6
	P16	US- 6,930,260	08-16-2005	Cleary, et al.	Abstract, claim 1, Fig. 1
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet

1

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**Complete if Known**

Application Number	08/962,971
Filing Date	6/27/1997
First Named Inventor	NABIL N. GHALY
Art Unit	3713
Examiner Name	Julie K. Broketti
Attorney Docket Number	

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
SP	I1	Internet Document - <a href="http://new.arcusa.com/8427/index.html">http://new.arcusa.com/8427/index.html</a> - ARC-USA, Inc. - Keypads - NO DATE -	
	I2	Internet Document - <a href="http://www.nyx.net/~LTURNER/PUBLIC-HTML/TMS1000INS.HTML">www.nyx.net/~LTURNER/PUBLIC-HTML/TMS1000INS.HTML</a> - Instruction set for Texas Instruments TMS1000 - NO DATE -	
	I3	Internet Document - <a href="http://www.cacs.louisiana.edu/~mgr/404/burks/pcinfo/hardware/cpu.htm">http://www.cacs.louisiana.edu/~mgr/404/burks/pcinfo/hardware/cpu.htm</a> - Description of the Texas Instrument TMS1000 micro-controller, indicating the use of "hardwired" instructions - NO DATE	
	I4	Text Book: Digital Systems Logic and Circuits Author: B. ZACHAROV Publisher: American Elsevier Pub. Co., Inc. 1968 Pages 53 & 83 - show the symbol $\odot$ describing the Coincidence Boolean operator $\bar{A}\bar{B} + AB$	
	I5	Text Book: Digital Design, 2nd Edition Author: M. MORRISON Publisher: Prentice Hall, 1991 - New Jersey Pages 56 & 57 - show the symbol $\odot$ describing the	

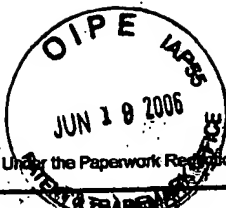
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

2

of

2

### Complete if Known

Application Number

08/962,971

Filing Date

10/27/1997

First Named Inventor

NABIL N. GHALY

Art Unit

3713

Examiner Name

Julie N. Brockett

Attorney Docket Number

### NON PATENT LITERATURE DOCUMENTS

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SP		Equivalence Boolean operator $x'y + x'y'$	
	I6	Text Book: Digital Computer Design Fundamentals Author: JOAHAN CHU Publisher: McGraw-Hill, 1962 Pages 112+113 - show the symbol $\odot$ describing the Coincidence Boolean operator $\overline{A}B + AB$	
	I7	Dictionary Definition for the term "Keypad" Webster's New World College Dictionary, Fourth Edition - Page 785 MICHAEL AGNES, Editor in Chief - NO DATE	
	I8	Internet Document: <a href="https://patentlaw.typepad.com/patent/2004/10/can_dependant_c.html">https://patentlaw.typepad.com/patent/2004/10/can_dependant_c.html</a> Article dated October 13, 2004, analyzing Ghaly v. Harbro - BY DENNIS CROUCH	
	I9	Dictionary Definition of the term "Push Button" Random House Webster's College Dictionary Page 1097 - NO DATE -	

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